

Listing and Amendments to the Claims

This listing of claims will replace all previous versions and listings of claims:

- 1.(currently amended) A display device for displaying an image comprising:
a plurality of display pixels;
sensors for monitoring operating conditions of the display pixels including
monitoring total charge data of the pixels and monitoring temperature data relating to
the pixels; and
a controller coupled to receive data related to the operating conditions of the
display pixels from the sensors for determining a brightness change of the pixels
caused by the operating conditions, to generate a driving signal for driving the pixels in
dependence on the total charge data and the temperature data ~~brightness change~~.
- 2.(cancelled)
- 3.(currently amended) The display device according to claim ~~[[2]]~~1, wherein the
controller is adapted to derive an acceleration factor from the temperature data and to
adjust the driving signal depending on the product of the total charge data and the
acceleration factor.
- 4.(currently amended) The display device according to claim ~~[[2]]~~1, wherein the
temperature sensor comprises at least one reference pixel and temperature
determination means adapted to determine a temperature in dependence on at least
one temperature-dependent characteristic of the reference pixel.
- 5.(previously presented) The display device according to claim 1, wherein the
sensors comprise at least one reference pixel, and monitoring means adapted for
determining degradation state data of said reference pixel, said controller being adapted
to generate said driving signal taking account of said total charge data and said
degradation state data.

6.(previously presented) The display device according to claim 5, wherein a photodiode is present to measure the degradation state data of said reference pixel.

7.(previously presented) The display device according to claim 5, wherein the pixels comprise at least two sub-pixels of a different type, and at least one reference pixel for each type is present.

8.(previously presented) The display device according to claim 5, wherein said controller is adapted to provide each reference pixel with a driving signal corresponding to an average brightness level of the respective types.

9.(previously presented) The display device according to claim 5, wherein said controller is adapted to ignore at least one of the total charge data and the data from the sensors for at least one sub-pixel.

10.(previously presented) The display device according to claim 1, wherein the sensors comprise means to sense a relation between a reverse current and a reverse voltage of the pixels for deriving degradation state data for the pixels, and said controller is adapted to generate said driving signal taking account of said degradation state data.

11.(previously presented) The display device according to claim 10, wherein said means are adapted to derive said degradation state data when the display device is turned on.

12.(currently amended) A method of generating a driving signal for driving a plurality of pixels of an organic electroluminescent display device for displaying an image, the device comprising sensors for monitoring operating conditions of the pixels; the method comprising:

obtaining data from the sensors related to the operating conditions including total charge data and temperature data relating to the pixels;

determining a brightness change of the pixels caused by the operating conditions; and

generating a driving signal in dependence on the total charge data and the temperature data~~brightness change~~.

13. (cancelled)

14. (currently amended) The method according to claim [[13]] 12, further comprising:

deriving an acceleration factor from the temperature data, and

adjusting the driving signal depending on the product of the total charge data and the acceleration factor.

15.(new) The display device according to claim 1, wherein a total charge data history is updated based on the temperature data.